



Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

Salt River

Water Body Segment at a Glance:

County: Ralls/Pike
Nearby Cities: New London
Length of impaired segment: 29 miles
Pollutant: Low Dissolved Oxygen
Source: Reregulation Dam
Water Body ID: 0091



State Map Showing Location of Watershed

Note: See also the Mercury Information Sheet

Scheduled for TMDL development: 2016

Description of the Problem

Beneficial uses of Salt River

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Protection of Human Health (Fish Consumption)
- Whole Body Contact Recreation
- Secondary Contact Recreation
- Irrigation

Use that is impaired

- Protection of Warm Water Aquatic Life

Standards that apply

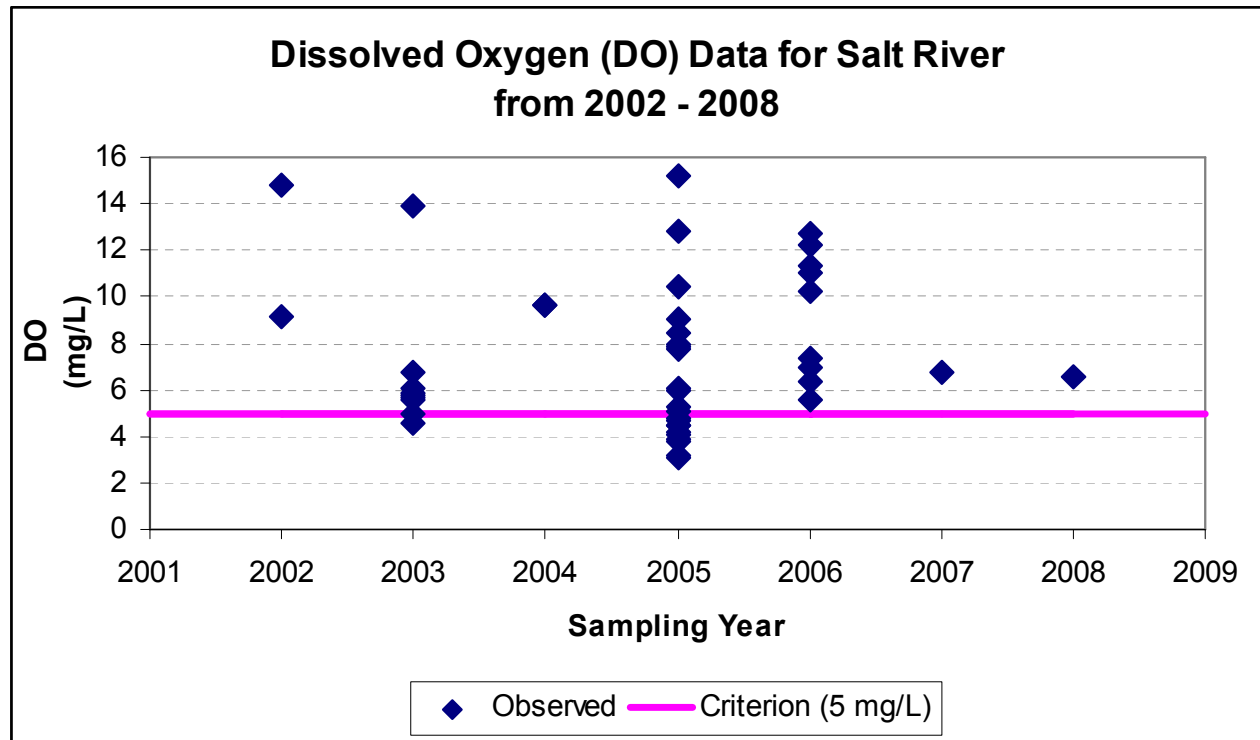
- In the Missouri Water Quality Standards, found in 10 CSR 20-7.031 Table A, the criterion for dissolved oxygen, or DO, in streams is a minimum of 5 mg/L (milligrams per liter or parts per million).

Background information and water quality data

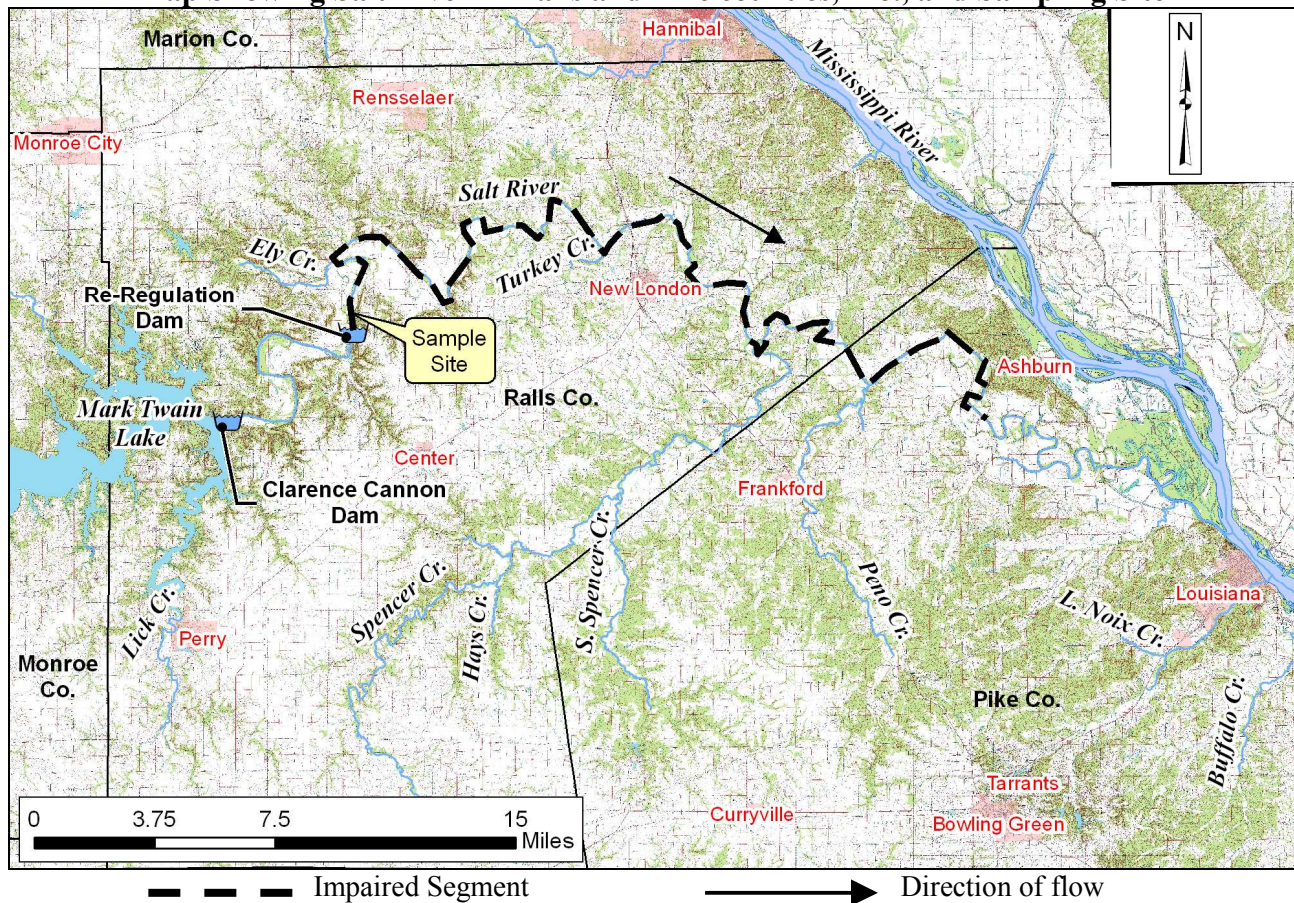
The Salt River is a tributary to the Mississippi River in north east Missouri. The low dissolved oxygen impairment is based on data collected by the department from 2002-2006 and by the St. Louis Army Corps of Engineers from 2005-2008.

Water quality conditions in the Salt River are not protective of aquatic life. Dissolved oxygen is important as many aquatic organisms require high levels of oxygen to survive. For dissolved oxygen, if more that 10 percent of measurements in a water body fail to meet the water quality

criterion that water body is judged to be impaired. In the case of the Salt River, 11 of 46 samples (23.9 percent) did not meet the water quality criterion. The upstream end of the segment (WBID 91) is directly below the Re-Regulation dam, so waters impounded by the Re-Reg dam are believed to be causing the low dissolved oxygen. See map on the next page.



Map Showing Salt River in Ralls and Pike counties, Mo., and Sampling Site



Sample Site
Salt River below Re-Reg. Dam

For more information call or write:

Missouri Department of Natural Resources

Water Protection Program

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